ABSTRACT

A system and method for measuring and utilizing a pseudo pixel error rate in digital data transmission is disclosed. As an alternative to measuring actual pixel error rate measurement, the present invention uses a pseudo pixel error rate detection scheme where the errors occurred in the special character patterns used in data encoding are measured. A particular embodiment uses a de-glitch filter for filtering the glitches from an unfiltered data enable (DE), a delay for delaying the unfiltered DE to match the delay of the de-glitch filter, and a comparator for comparing the unfiltered DE and the filtered DE to determine the occurrence of an error. It further includes a counter to count the errors occurred.